**Service Difficulties & Faults**
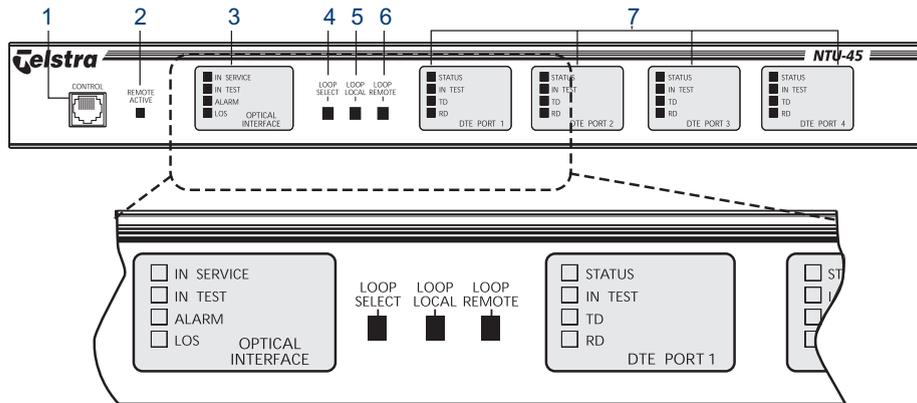
If you encounter any difficulties or faults, please contact:
Global Customer Service – 1800 028 555
Or your Account Executive.
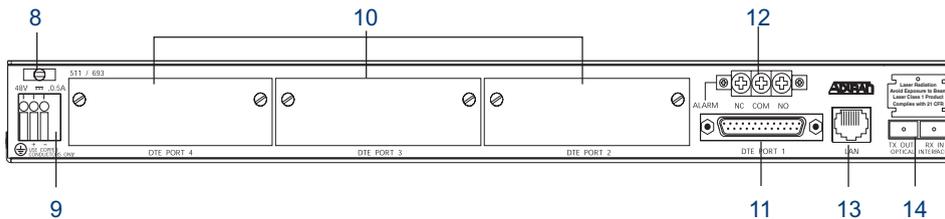
# NTU-45
## Quick Reference Guide

| S/I Number | Item Description |
|---|---|
| 511/692 | NTU-45, HSSI B/U 48VDC+240VAC Power Pack |
| 511/693 | NTU-45, HSSI B/U 48VDC |
| 511/722 | Power Pack, 48VDC for NTU-45/45E -AULT |
| 511/694 | Power Pack, 240VAC – 48VDC for NTU-45 |
| 511/695 | NTU-45 Module,V35 Service Interface |
| 511/696 | NTU-45 Module,HSSI Service Interface |
| 511/707 | Tray, Cable for NTU-45 |

**Telstra**

# NTU-45 Front Panel



# NTU-45 Rear Panel



# Front Panel LEDs

| 2. Remote Active LED (Telstra use only) | |
|---|---|
| Remote Active (Yellow) | Indicates when the NTU-45 is being managed locally, or via a Telnet session |

| 3. Optical Interface LEDs (Network Interface - Telstra Use Only) | |
|---|---|
| IN SERVICE (Green) | Indicates when the NTU-45 is powered on and functioning correctly . |
| TEST (Yellow) | Indicates when a Loop or Bit Error Rate test is active on the Optical Interface. |
| ALARM (Yellow or Red) | YELLOW indicates that there is a problem with the Remote NTU-45. RED indicates that the NTU-45 cannot align with the incoming signal. |
| LOS (Red) | Indicates that the NTU-45 cannot detect any signal on the Optical Interface. |

| 7. DTE Port LEDs (Customer Interfaces) | |
|---|---|
| Status (Green Yellow or Red) | OFF indicates that there is no card installed Flashing GREEN indicates that the interface is not configured for service GREEN indicates that the interface is ready to carry data. YELLOW indicates that the interface is ready, but cannot detect the customer's equipment (DTE) RED indicates that there is a problem with the interface. |
| In Test (Yellow) | Indicates when a Loop or Bit Error Rate test is active on the Interface. During the process of activating a loop from the front panel push buttons, this LED will Flash, indicating that it is selected but no Loop test exists. |
| TD (Green) | Indicates that the interface is transmitting data to the Newtork |
| RD (Green) | Indicates that the interface is receiving data from the Network |

# Interfaces

| | | |
|---|---|---|
| 1. | Local Control Port (Telstra use only) | VT100, EIA-232 Interface for local management |
| 8. | Power Cord Strain Relief | 48V DC power interface (Earth, Positive, Negative) |
| 9. | DC Power Terminal Block | |
| 10. | DTE Ports 2, 3 and 4 | Slots to accomodate optional HSSI or V.35 DTE modules |
| 11. | DTE Port 1 | In-built High Speed Serial Interface (HSSI) |
| 12. | Alarm Port (Telstra use only) | Alarm Relay Contacts (Normally Closed, Common, Normally Open) |
| 13. | Management Port (Telstra use only) | 10BaseT  LAN interface for remote management via MACS |
| 14. | Optical Interface Port (Telstra use only) | Flat-SC Optical interface with separate Transmit and Receive fibres |

# Front Panel Push Buttons

## 4. Loop Select

The Loop Select button is used to select the port that is to be looped.  It will cycle through the four ports, causing the respective ports Test LED to flash.

When a loop is in place, pressing this button will turn the loop off.

## 5. Loop Local

When a port has been selected using the Loop Select button, pressing the Loop Local button will initiate a loop on the selected port of the local NTU-45.

When a loop is in place, pressing this button will turn the loop off.

## 6. Loop Remote

When a port has been selected using the Loop Select button, pressing the Loop Remote button will initiate a loop on the selected port of the remote NTU-45.

When a loop is in place, pressing this button will turn the loop off.

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